

Patent Abstracts of Japan

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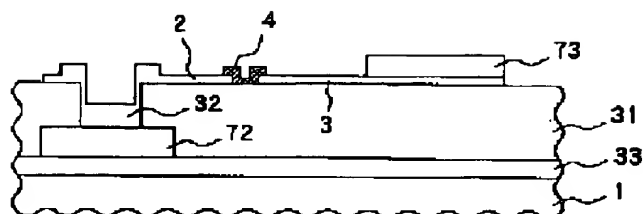
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APPLICANT : CANON INC;

INVENTOR : OKAMURA YOSHIMASA;

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TITLE : IMAGE FORMING DEVICE AND
MANUFACTURE THEREOF



ABSTRACT : PROBLEM TO BE SOLVED: To provide an image forming device suppressing diffusion of an alkali component from a soda line glass substrate and improving withstand voltage in a seal part and a seal of vacuum.

SOLUTION: This device is formed by holding a support frame between an electron source having a plurality of electron emitting elements and a faceplate and sealing with frit glass, in an image forming device constituting the concerned electron source and/or faceplate by a soda line glass substrate 1, in a contact part with the frit glass on the soda glass substrate 1, a silicon oxidized film or silicon nitride film 33 doping phosphorus is provided.

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